

6 Patent claims (simplified proposals)

1. A method and/or an arrangement for increasing the dynamic range of a controlled power amplifier, characterized by additional scaling of the input signal to the power amplifier.
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2. The method and/or arrangement as claimed in claim 1, characterized in that this arrangement contains two multipliers and one IQ scaling table, in order to carry out the scaling of the input signal in the digital IQ domain itself.
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3. The method and/or arrangement as claimed in claim 1, characterized in that the time relationship between the IQ scaling and the power ramp is freely variable in the controller.
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4. The method and/or arrangement as claimed in claim 1, characterized in that the IQ scaling device and/or the control device are/is integrated in the module which contains the power ramp generator and/or the associated D/A converter.
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5. The method and/or arrangement as claimed in claim 1, characterized in that the arrangement and/or the method are/is used in mobile stations which, in particular, support the GSM, EDGE, TIA/EIA-136 standards, as well as UMTS or partial combinations thereof.
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